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(54) **VARIABLE PINHOLE**

(57) Abstract:

PURPOSE: To offer the variable pinhole which is continuously variable size.

CONSTITUTION: A base 2 is fitted with two glass plates 14 and 16 in parallel to each other. Metal films 18 and 20 of several μm in thickness are provided on the opposite inside surfaces of the glass plates 14 and 16 so as to shape light transmitted through them. A convex lens 22 which inside surface is a focal plane is fixed between the metal films by a support member 24. The base 12 is fitted to a main body 28 by a piezoelectric element 26, and consequently the glass plates 14 and 16 are supported movably at right angles to the optical axis of the convex lens 22.

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